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EXPRESS MAIL NO.: EL 500 576 091 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Herath et al.

Serial No.: 10/014,338

Examiner: To Be Assigned

Filed: December 10, 2001

Group Art Unit: 1647

For: ADPI-41, A NOVEL PROTEIN
ISOLATED FROM BRAIN TISSUE
HOMOGENATE AND USES
THEREFOR

Attorney Docket No.: 9195-077-999

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97 & §1.56

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent and Trademark Office of all references coming to the attention of Applicants or Attorneys for Applicants which are or may be related to patentability of the claimed invention, Applicants hereby direct the Examiner's attention to references AA to AQ, which are listed on the accompanying revised PTO Form 1449. Copies of references AA to AQ are submitted herewith. In connection with reference AE (which is in Chinese), Applicants attach hereto a copy of a BLAST comparison between SEQ ID NO:2 in reference AE and SEQ ID NO:2 in the instant application.

Applicant respectfully requests that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

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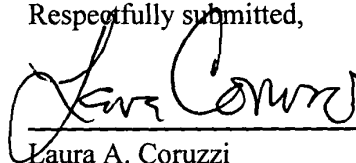
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NY2 - 1355720.1

Pursuant to 37 C.F.R. §1.97, because this Information Disclosure Statement is being submitted before the first substantive Office Action, it is believed no fee is due. If however, a fee is due, please charge any required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150.

Respectfully submitted,

Date September 25, 2002



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Enclosures



LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.
	9195-077	10/014,338
	APPLICANT	
	Herath et al.	
	FILING DATE	GROUP
	December 10, 2001	1647

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,064,754	5/16/00	Parekh et al.			
	AB	6,278,794	8/21/01	Parekh et al.			2/8/00

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AC	WO 98/23950	6/4/98	PCT			
	AD	WO 00/58473 (Specification, claims, and SEQ ID Nos. 2697 and 2698)	10/5/00	PCT			
	AE	WO 01/38369	5/31/01	PCT			X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
AF	Alafuzoff et al., 1986, "Isoelectric focusing and two-dimensional gel electrophoresis in plasma and cerebrospinal fluid from patients with dementia" Eur. Neurol. 25:285-289
AG	Azzi et al., 1993, "The mitochondrial tricarboxylate carrier", J. Bioenergetics Biomembranes 25:515-524
AH	Fleming et al., 2001, "A mutation in a mitochondrial transmembrane protein is responsible for the pleiotropic hematological and skeletal phenotype of flexed-tail (ff) mice", Genes Dev. 15:652-657
AI	Harrington and Merrill, 1988, "Cerebrospinal fluid protein analysis in diseases of the nervous system", J. Chromatog. 429:345-358
AJ	Johnson et al., 1992, "Cerebrospinal fluid protein variations in common to Alzheimer's disease and schizophrenia", Applied and Theoretical Electrophoresis 3:47-53
AK	Mashige et al., 1992, "Analysis for cerebrospinal fluid proteins by sodium dodecyl sulfate-polyacrylamide gel electrophoresis", Clin. Chem. 38:2008-2012
AL	Mattila et al., 1994, "Altered blood-brain-barrier function in Alzheimer's disease?", Acta Neurol. Scand. 89:192-198
AM	Smith et al., 1997, "Iron accumulation in Alzheimer disease is a source of redox-generated free radicals", Proc. Natl. Acad. Sci. USA 94:9866-9868
AN	Smith et al., 2000, "Metabolic, metallic, and mitotic sources of oxidative stress in Alzheimer disease", Antioxidants & Redox Signaling 2:413-420
AO	Thompson and Johnson, 1982, "Electrophoresis of CSF proteins", British J. Hosp. Med. 28:600-608
AP	Townsend et al., 1987, "Comparison of methods for analysis of CSF proteins in patients with Alzheimer's disease", Neurochem. Pathol. 6:213-229
AQ	Wiederkehr, 1991, "Analysis of cerebrospinal fluid proteins by electrophoresis", J. Chromatog. 569:281-296

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Database: AA_DERWENT

855,305 sequences; 125,966,000 total letters

Query= humanproteinsequence
(322 letters)

>AAG62389 |ID: standard; Protein; 322 AA|DT: 31-AUG-2001 (first entry)|DE: Rat tricarboxylate carrier 39|KW: Rat; tricarboxylate carrier 39; cytostatic; haemostatic; virucide; immunomodulatory; antiinflammatory; malignant tumour; haemopathy; human immunodeficiency virus; HIV; immunological disease; inflammatory disorder|OS: Rattus sp|PN: WO200138369-A1|PD: 31-MAY-2001|PF: 20-NOV-2000; 2000WO-CN00466|PR: 22-NOV-1999; 99CN-0124045|PA: (BIOR-) BIOROAD GENE DEV LTD SHANGHAI|PI: Mao Y, Xie Y|DR: WPI; 2001-355889/37 N-PSDB; AAH44832 |PT: New rat tricarboxylate carrier 39 for diagnosing and treating cancer, hemopathy, human immunodeficiency virus (HIV) infection, immunological diseases and inflammation - |PS: Claim 1; Fig 1; 34pp; Chinese|CC: This invention relates to a rat tricarboxylate carrier 39 and the cDNA sequence encoding it. The invention includes a vector containing the polynucleotide sequence, a host cell transformed with the vector, and an antibody that specifically binds to the protein. Use of the protein, nucleotide sequence and antibody may result in cytostatic; haemostatic; virucide; immunomodulatory; and antiinflammatory activity. The protein and its encoding polynucleotide are used in the diagnosis and treatment of malignant tumours, haemopathy, human immunodeficiency virus (HIV) infection, immunological diseases and various inflammatory disorders. The present sequence the rat tricarboxylate carrier 39 of the invention.
Length = 322

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Score = 646 bits (1667), Expect = 0.0
Identities = 321/322 (99%), Positives = 321/322 (99%)

Query: 1 MSGELPPNINIKEPRWDQSTFIGRANHFFTVTDPRNILLTNEQLESARKIVHDYRQGIVP 60
MSGELPPNINIKEPRWDQSTFIGRANHFFTVTDPRNILLTNEQLESARKIVHDYRQGIVP
Sbjct: 1 MSGELPPNINIKEPRWDQSTFIGRANHFFTVTDPRNILLTNEQLESARKIVHDYRQGIVP 60

Query: 61 PGLTENELWRAKYIYDSAFHPDTGKMLIGRMSAQVPMNMTITGCMMTFYRTTPAVLFW 120
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Query: 121 QWINQSFNNAVNYTNRSGDAPLTVNELGTAYVSATTGAVATALGLNALTGHVSPLIGRFV 180
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Query: 301 ELQAKIQESHPELRRVYFNKGL 322
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